

# Epifanes Poly-urethane Primer

## A quick drying Poly-urethane Undercoat

<b>Type</b>	Chemical drying						
<b>Base</b>	Polyester saturated, aliphatic urethane						
<b>Properties</b>	Two-part semi gloss poly-urethane primer/ undercoat. Provides smooth pinhole free surface prior to topcoating with high gloss Epifanes Poly-urethane Topcoat. Quick drying, medium filling and excellent sandibility. Provides a perfect flow and easy application by brush, roller or spray.						
<b>Field of application</b>	GPR - Suitable as filling undercoat for interior and exterior on bare fiberglass. Also for use on existing poly-urethane based finishes or on epoxy based systems above the waterline for fresh and salt water.						
<b>Colours</b>	Standard : White RAL 9010 - Black RAL 9011  On request : Grey RAL 7000 - Red RAL 3000 Blue RAL 5010 - Yellow RAL 1021						
<b>Gloss</b>	Semi Gloss						
<b>Density</b>	1.20 - 1.60 kg/dm <sup>3</sup> (dependant on colour)						
<b>Viscosity</b>	Depending on colour						
<b>Solids contents</b>	52 ± 2 vol.%						
<b>VOC-level mixed product</b>	398 gram / liter						
<b>Packing</b>	600gr. base + 150gr. cure = 750gr. 2,4 kg. base + 600gr. cure = 3 kg.						
<b>Mixing ratio by weight</b>	4 parts base component A : 1 part curing component B						
<b>Mixing ratio by volume</b>	Dependent on colour						
<b>Induction time at 20°C. / 65% RLV</b>	10-15 minutes. Stir well both components separately prior to mixing.						
<b>Potlife after mixing</b>	<table border="1"> <thead> <tr> <th>at 12°C</th> <th>at 20°C</th> <th>at 30°C</th> </tr> </thead> <tbody> <tr> <td>2 hours</td> <td>1 hours</td> <td>30 minutes</td> </tr> </tbody> </table>	at 12°C	at 20°C	at 30°C	2 hours	1 hours	30 minutes
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<b>Shelf life unmixed</b>	In closed container stored in a dark location between 5- 25°C. approx. 2 years						
<b>Conditions during application and drying</b>	Temperature minimal 12°C. - maximum 28°C. Relative air humidity minimal 50% - maximum 75%						
<b>Brush / roller thinner</b>	Epifanes Poly-urethane Brushthinner						
<b>Spraythinner</b>	Epifanes Poly-urethane Spraythinner						
<b>Thinner guideline</b>	Add thinner after mixing both components. Thinning ratio depends on temperature of mixed product and work area.						
<b>Application tools</b>	Soft, longhaired brush (oval/full style) - conventional air spray. Use shorthaired mohair or fine foam rollers suited for P.U.						
<b>Recommended filmthickness / coat</b>	80 - 120 µm wetfilmthickness = 40 - 60 µm dryfilmthickness.						
<b>Application recommendations</b>	Distribute the paint by roller and brush out to a smooth paintfilm with a soft longhaired brush of good quality. Do not overbrush. Do not apply wet-in-wet. Do not apply excessive wet films to avoid the formation of curtains and drying problems. Avoid applying in direct sunlight or too much wind. A rapid loss of solvents will occur under these conditions and decrease the flowing ability.						

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**Theoretical coverage**

10 m<sup>2</sup> per kg. @ 50 µm dry filmthickness

**Practicle coverage**

Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.

**Application details**

	Air spray	Brush / Roller
Thinning volume	10-15	0-5%
Nozzle	1.4 mm	
Pressure	4	
Viscosity DIN-cup 4 mm	22 sec.	

**Application remarks**

Airless spray not advised. Pressure feed paint container: Pot life will be shortened due to temperature increase in the container.

**Drying times @ 20°C. / 65% RAH and 35 µm dry filmthickness**

Dustdry	Sandable	Recoatible	Through hardened
2.5 hours	24 hours	6 hours	7 days

**Intercoat sanding**

If subsequent coat is applied within 24 to 48 hours, intercoat sanding is not necessary. If recoated after 48 hours, sand with P360-400 wetordry abrasive paper.

**Recoatibility**

After 24 hours and sanding with P 220-240 wetordry abrasive paper.

**Two-component** Epifanes Poly-urethane Yacht Coating

**One-component** Epifanes Mono-urethane Yacht Paint - Epifanes Yacht Enamel  
Epifanes Nautiforte Yacht Paint - Epifanes Nonskid Deckcoating

**Substrate conditions**

Intact well adhering cleaned, degreased and sanded two-component paint or primer systems. Well degreased and sanded fiberglass surfaces above the waterline.

**Safety**

The user of this product should obey all all national laws and legislation concerning health, safety and environmental hazard. For more information on health and safety, refer to the Material Safety Data Sheet of this product.

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January 2013